

CORNOVSKIY, K.V.

Water plants in the Lakes Bol'shoye Miassovo and Bol'shoy Tatkul'.  
Trudy Il'm. gos. zap. no.8:57-84 '61. (MIRA 15:11)  
(Bol'shoye Miassovo, Lake--Freshwater flora)  
(Bol'shoy Tatkul', Lake--Freshwater flora)

GORNSHTEYN/ASK8

600

1. GORNSHTEYN, A. K.; Inzh.
- 2a. USSR (600)
4. Windows; Doors
7. Industrial door and window frames. Biul, Stroil. Tekh. ( no. 7, 1952.  
Mosgrazhkanuglezhilstroy
9. Monthly List of Russian Accessions, Library of Congress, Aug, 1952. UNCLASSIFIED.

GORNSHTEYN, A., inzh.; BOL'SHAKOV, V., inzh.

Efficient implements for mounting large-panel partitions.

Na stroi. Mosk. 1 no.8:17-19 Ag '58.

(MIRA 11:10)

(Walls) (Building--Tools and implements)

GORNSHTEYN, B.Ya.; KOLLEROV, D.K.

Basic metrological problems of measurements with gas analyzers.  
Izm. tekhn. no.12:37-39 D '64. (MIRA 18:4)

GORNSHTEYN, D.K.; GUDKOV, A.A.; KOSOLAPOV, A.I.; LEYPTSIG, A.V.;  
 MEL'NIKOV, V.M.; MOKSHANTSEV, K.B.; PRADKIN, G.S.; CHERSKIY,  
 N.V.; TROFIMUK, A.A., akademik, nauchn. red. vyp.; ROZHKOV,  
 I.S., glav. red.; KOBELYATSKIY, I.A., zam. glav. red.;  
 SHATALOV, Ye.G., zam. glav. red.; BONDARENKO, V.I., red.;  
 GRINBERG, G.A., red.; YELOVSKIKH, V.V., red.; RUSANOV, B.S.,  
 red.; SEMENOV, G.T., red., TKACHENKO, R.V., red.; KALANTAROV,  
 A.P., red. i zd-vn; GUSEVA, A.P., tekhn. red.

[Basic stages of the geological development and prospects for  
 finding oil and gas in the Yakut A.S.S.R.] Osnovnye etapy geo-  
 logicheskogo razvitiia i perspektivy neftegazonosnosti Iakut-  
 skoi ASSR. [By] D.K.Gornshstein i dr. Moskva, Izd-vo AN SSSR  
 1963. 238 p. (MIRA 16:12)

(Yakutia--Petroleum geology)  
 (Yakutia--Gas, Natural--Geology)

MOKSHANTSEV, K.B.; GORNSHTEYN, D.K.; GUSEV, G.S.; DENGIN, E.V.;  
SHTEKH, G.I.; KOSYGIN, Yu.A., otv. red.

[Tectonic structure of the Yakut A.S.S.R.] Tekhnicheskoe stroeni Iakutskoi ASSR. [By] K.B.Mokshantsev i dr.  
Moskva, Nauka, 1964. 289 p. (MIRA 18:1)

1. Chlen-korrespondent AN SSSR (for Kosygin).

MOKSHANTSEV, K.B.; GORINSHTEYN, D.K.; GUSEV, G.S.; DEM'GIN, E.V.;  
SHTEKH, G.I.; KOSYGIN, Yu.A., otv. red.

[Tectonic pattern of the Yakut A.S.S.R.] Tektonicheskoe  
stroenie Yakutskoi ASSR. [By] K.B.Mokshantsev i dr. Mo-  
skva, Nauka, 1964. 289 p. (MIRA 1812)

1. Akademiya nauk SSSR. Yakutskiy filial, Yakutsk.
2. Chlen-korrespondent AN SSSR (for Kosygin).

CUR 3/12



S/137/61/000/001/039/043  
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, p. 42,  
# 11371

AUTHOR: Gornshteyn, G.L.

TITLE: The U578 (U578) Type Unit for Determining the Magnetic Properties  
of Electrotechnical Steel According to GOST 802-54

PERIODICAL: "Vestn. priborostroyeniya", 1959, No. 1, pp. 34 - 38

TEXT: The author describes a semi-automatic controlled unit for determining all the magnetic characteristics of electrotechnical steel provided by the standards in force. The U578 type unit includes: 1) an Epshteyn-Lonkitsen differential apparatus for the testing of specimens with 10 kg mass; 2) a magnetizing device for determining induction in specimens of 1 kg mass; 3) a magnetizing device for determining losses in specimens of 1 kg mass; 4) a permeameter for determining induction  $B_{10}$ , intended for tests with 500 x 30 mm specimens; 5) a d-c and a-c regulating device; 6) a desk for the measuring apparatus and control elements; moreover, the set includes a M21/2 type ballistic mirror galvanometer. ✓

Card 1/2

S/137/61/000/001/039/043  
A006/A001

The  $\gamma$  578 (U578) Type Unit for Determining the Magnetic Properties of Electrotechnical Steel According to GOST 802-54 ✓

The unit is power supplied from a circuit when determining losses during reversal of magnetization of steel at 50 cycles frequency; it is supplied from a power generator, at 400 cycles frequency; when determining  $B_r$  a d-c generator is used with 110 v rated voltage, and about 3.5 kw power, or an accumulator battery of corresponding capacity.

I. N.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

S/194/61/000/007/004/079  
D201/D305

AUTHOR: Gornaluyev, G.I.

TITLE: Equipment designed at the "Tochelektropribor" factory for testing magnetic materials and future problems in developing new equipment

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1961, 7, abstract 7 A42 (V sb. Vopr. obshch. elektropriborostr., Kiev, AN USSR, 1960, 124-133)

TEXT: Descriptions are given of the ferrometer Y 542 (U542) and of the equipment Y 541 (U541) for testing hard magnetic materials. The ferrometer U542 has been designed for determining  $B_m(H_m)$ ,  $B_m(H)$ ,  $B_m(H_{lm})$ ,  $B_m(H_{lm,p})$  and for the same relationships of  $B_{lm}$ . Structurally the ferrometer consists of three separate parts: The ferrometer proper, power supplies and a stand for testing tape samples. The oscilloscope 30-7 (EO-7) is used for visual observations of current,

Card 1/3

3/194/61/000/007/004/079  
D201/D305

Equipment designed...

flux and hysteresis loop curves. The basic measuring element of the ferrometer consists of a vector analyzer of average values of emf's and voltages - an electrodynamic microammeter and of a mechanical rectifier. The latter is actually a synchronous motor, with cam fixed to its shaft which closes and opens to contacts of the rectifier at the frequency of the motor excitation current. When measuring toroidal shapes of the material samples, a calibrated resistance or the primary coil of mutual inductance is inserted in the circuit of the magnetizing winding. A special yoke is used for testing tape-like samples. The special feature of the yoke is that the magnetic field intensity is measured by a calibrated coil and not by calculating it from the magnetizing current. The range of measurements of the magnetic field intensity and induction by means of U542 is 0.01 - 100 amp volt per cm and 50 ± 17000 gauss respectively. The accuracy of determining the above quantities is about ± 5%. The complete circuit of the ferrometer U542 is given and a comparison is made with similar equipment by Siemens and Halske & by the factory "Etalon". The U541 equipment is to be used in the

Card 2/3

Equipment designed...

S/194/61/000/007/004/079  
D201/D305

ballistic method of testing of hard magnetic materials with  $H_c$  up to 1500 oersted. It consists of a ferrometer for strong fields, a control arrangement for continuous regulation up to 12 amp of the magnetizing current, the control bench, mutual inductance coil and of a ballistic galvanometer. The error in inductance and field intensity determination with U541 equipment does not exceed  $\pm 3\%$ . The supply is from a 110 V d.c. source. The circuit of the arrangement is given. 4 references. [Abstracter's note: Complete translation]

Card 3/3

GORNSHTEYN, G.L.

Perrometer for high frequencies. Trudy inst. Kom.stand.mer 1 izm.  
prib no.64:60-64 '62. (MIRA 16:5)  
(Magnetic instruments) (Magnetic materials—Testing)

GORNSHTEYN, I.A.; SHUL'MAN, I.A.; SAFARYAN, A.S.; FRIDLENDER, G.O.,  
prof., red.; VOLKOVA, I.M., red.; BELYAYEVA, V.V., tekhn. red.

[Inertial navigation] Inertsial'naya navigatsiya. Pod red. G.O.  
Fridlendera. Moskva, Izd-vo "Sovetskoe radio," 1962. 248 p.  
(MIRA 15:12)

(Inertial navigation)

*Gornshhteyn, I. L.*

USSR/Electricity

Card 1/1 : Pub. 133 - 7/20

Authors : Beregovskiy, Ya. M.; Dzyuba, N. P.; Gornshhteyn, I. L.; and Zal'tsman, M. M.

Title : Measuring the attenuation of feeder lines of a radio broadcasting and receiving system

Periodical : Vest. svyazi 10, 12-15, Oct 54

Abstract : The inadequacy of contemporary methods for measuring the attenuation of feeder lines of a radio rebroadcasting system is pointed out and new methods, which permit more accurate measurement of the above mentioned system, are given. Diagrams; graph.

Institution : ...

Submitted : ...



GORNSTEYN, I.L.

GORNSTEIN, I.L.

Determining the depth of embedded underground cables. Vest.sviazi  
14 no.5:16-17 My '54. (MIRA 7:7)

1. Inzhener laboratorii Kiyevskoy DRTS.  
(Electric lines--Underground)

GORNSHTEYN, I.L., inzh.

~~Reliability of information~~

Portable instrument for attenuation measurements. Trudy Sekt.  
radiofiz. i VRS Ukr. NTORIE no.3:23-30 ' 56. (MIRA 12:1)  
(Radio measurements)

GORNISHTEYN, I. L.

6( 4,7)

PHASE I BOOK EXPLOITATION

SM/2865

Beregovskiy, Yakov Mikhaylovich and Isidor Leonovich Gornshiteyn

Zatukhaniye v liniyakh provodnogo veshchaniya i metody yego izmereniya  
(Attenuation in Wire-Broadcasting Lines and Methods of Its Measuring)  
Moscow, Svyaz'izdat, 1959. 49 p. (Series: Lektsii po tekhnike svyazi)  
11,200 copies printed.

Sponsoring Agency: Ministerstvo svyazi SSSR. Tekhnicheskoye upravleniye.

Resp. Ed.: V.I. Shanurenko; Ed.: V.I. Bashchuk; Tech. Ed.: K.G.  
Markoch.

PURPOSE: The booklet is intended for skilled technical personnel employed in  
radio broadcasting.

COVERAGE: This is one of a series of lectures on communications technique. It is  
devoted to problems of measuring attenuation in wire broadcasting lines. Basic  
data on permissible standards of attenuation in separate sections of wire

Card 1/4

Attenuation in Wire Broadcasting Lines (Cont.)

80W/2865

broadcast networks are presented. Simplified methods of computing attenuation in various types of lines and an evaluation of errors in the existing methods are given. A new telemetering method for determining attenuation is investigated and its particular features, methods of application and prospects for its utilization are examined. The recommendations suggested by the authors are based on experience in operating the measuring equipment described in this booklet in the networks of the Kiyev DRES. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword	3
Introduction	4
Broadcasting Frequency Ranges	5
Characteristic of Various Wire Broadcasting Lines	6
Passage of Current in Wire Broadcasting Lines	9
Card 2/4	

Attenuation in Wire Broadcasting Lines (Cont.)	SW/2865
Determination of Attenuation Magnitude	15
Methods of Measuring Attenuation in Wire Broadcasting Lines	22
Application of Telemetering Technique for Determining Attenuation	26
Advantages of telemetering	26
Basic principles of telemetering	26
Selection of the telemetering method	27
Telemetering communication channel	28
Telemetric Method of Determining Attenuation	29
General observations	29
Circuit of the voltage balance	30
Circuit of the current balance	32
Utilization of the Current Energy in Broadcasting for Measuring Attenuation	34
Card 3/4	

Attenuation in Wire-Broadcasting Lines ( ont.)

307/2865

Equipment for operational attenuation  
measurements and its application  
Station equipment  
Portable equipment

36  
36  
41

Prospectives in the Utilization of the Telemetric Method  
For Determining Attenuation

46

AVAILABLE: Library of Congress

Card 4/4

JP/gmp

1-22-60

GENIS, Andrian Aleksandrovich[Henis, A.O.]; GORNISHTEVN, Isidor  
Leonovich[Hornshtein, I.L.]; PUGACH, Anatoliy Borisovich  
[Puhach, A.B.]; POLYANSKAYA, L.[Polians'ka, L.], red.;  
MATUSEVICH, S.[Matusevych, S.], tekhn. red.

[Cold-cathode thyratrons and their uses]Tyratrony z kholod-  
nym katodom ta ikh zastosuvannia. Kyiv, Derzhtekhydav  
URSR, 1961. 207 p. (MIRA 15:8)  
(Thyratrons)

GORNSHTEYN, I.L., starshiy inzh.; SHEREMETEV, A.V., kand.tekhn.nauk

Remote control servicing of wire communication amplifying stations.  
Vest. svyazi 21 no.1:5-7 Ja '61. (MIRA 15:5)

1. Kiyevskoye otdeleniye Tsentral'nogo nauchno-issledovatel'skogo  
instituta svyazi Ministerstva svyazi SSSR.  
(Telecommunication) (Remote control)



GENIS, Andrian Aleksandrovich, inzh.; GORISHTEIN, Isidor Leonovich, inzh.; PUGACH, Anatoliy Borisovich, inzh.; VEKSLER, G.S., kand. tekhn.nauk, retsenzent; POLYANSKAYA, L.O., inzh., red.izd-va; ROZUM, T.I., tekhn.red.

[Glow-discharge devices; theory fundamentals, schematics, and applications] Pribory tleishchego razriada; elementy teorii, skhemy i ikh primeneniye. Kiev, Gostekhizdat USSR, 1963. 374 p. (MIRA 17:3)

1. AGRACHEV, S.I. GORNENTSEYN, K.F.
2. USSR (600)
3. Liver
4. Application of the thymol-veronal test to liver function tests in children.  
Pediatriia No. 5 - 1952

9. Monthly List of Russian Acquisitions, Library of Congress, February, 1953. Unclassified.

ANASTASIYEV, F.I.; BROSTRE, A.A.; VESHENEVSKIY, S.N.; GEL'MAN, G.A.;  
GORNISHEYN, L.A.; ZIMENKOV, M.G.; KARVOVSKIY, G.A.;  
KIBLITSKIY, V.A.; KLEYN, P.N.; KLIMIKSEYEV, V.M.; KLYUYEV,  
S.A.; KNORRING, G.M.; KORENEVSKIY, A.N.; LEYBZON, Ya.I.;  
LIVSHITS, D.S.; LIGERMAN, I.I.; LOGINOV, O.I.; MILICH, M.B.;  
NAYFEL'D, M.R.; OKOROKOV, S.P.; POLYAK, A.B.; ROYZEN, S.S.;  
RYABOV, M.S.; SINITSYN, O.A.; SOLODUKHO, Ya.Yu.; SOSKIN, E.A.;  
STASYUK, V.N.; BOL'SHAM, Ya.M., red.; GRACHEV, V.A., red.;  
SAMOVER, M.L., red.; BORICHEV, I. Ye., red.; DANILENKO, A.I.,  
red.; KHRAMUSHIN, A.M., red.; YAKUBOVSKIY, F.B., red.;  
ERENDENBURGSKAYA, E.Ya., red.; KOMAR, M.A., red.; BORUNOV,  
N.I., tekhn. red.

[Handbook on electrical systems of industrial enterprises  
in four volumes] Spravochnik po elektroustanovkam promyshlen-  
nykh predpriatii v chetyrekh tomakh. Pod obshchei red. I.E.  
Boricheva i dr. Moskva, Gosenergoizdat. Vol.1. [Design of  
electrical systems of industrial enterprises in two parts]  
Proektirovanie elektroustanovok promyshlennykh predpriatii  
v dvukh chastiakh. Pt.2. Pod red. I.A.M.Bol'shama i dr.  
1963. 598 p. (MIRA 17:3)

GORNSHTEYN, M. M.

AID P - 1476

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 27/36

Author : Gornshiteyn, M. M., Kand. of Tech. Sci.

Title : Power and frequency regulation of large hydroelectric power stations (Letter to the Editors)

Periodical : Elektrichestvo, 2, 75, F 1955

Abstract : The author of the letter refers to an article in this journal No.2, 1954 by B. I. Domanskiy and Ye. I. Yurevich. This article discusses problems exposed in the author's patent specification for his invention "Arrangement for the maintenance of static and dynamic stability of electric power systems." The author corrects certain inaccurate applications of his method.

Institution: None

Submitted : No date

1. NOSAL', V. I. and GORNISHTEYN, N. A.
2. USSR (600)
4. UFA Plateau - Geology, Structural
7. Geological structure of the right bank of the Irena River (basins of the Malya Telesa and Ariya Rivers) and of the right bank of the Ufa River (basins of the Sarsa and Ayaza Rivers), the western slope of the Ufa Plateau (report of the Sarsa-Ufa geological party on the work for 1945). (Abstract.) Izv.Glav.upr.geol.fom. no. 2, 1947.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

MAKAROVA, Tamara Vil'gel'movna; GORNSHTEYN, N.A., starshiy geolog;  
Prinimali uchastiye: LACHINOVA, I.G., starshiy tekhnik-geolog;  
ABUTYUNOVA, O.I., starshiy laborant; PATRIKI, V.I., starshiy  
kollektor; NOSAL', V.I., red.

[Permian sediments in the central provinces of the Russian  
Platform] Permskie otlozheniia tsentral'nykh oblastei Russkoi  
platformy. Pod red. V.I.Nosal'. Leningrad, Gos.nauchno-tekhn.  
izd-vo nef. i gorno-toplivnoy lit-ry, Leningr.otd-nie, 1957.  
122 p. (MIRA 12:7)

(Russian Platform--Geology, Stratigraphic)

MAKAROVA, T.V.; GORNSHTEYN, N.A.

Permian sediments. Trudy VNIGNI no. 10:52-59 '58. (MIRA 14:5)  
(Russian Platform--Geology, Stratigraphic)

MAKAROVA, T.V.; GORNSHTEYN, N.A.

Permian sediments in the Buzuluk key borehole (southeastern slope  
of the Russian Platform). Trudy VNIGNI no.13:146-170 '59.  
(MIRA 13:1)

(Russian Platform--Geology, Stratigraphic)



GORNSHTEYN, N.A.; GOROSHKOVA, V.A.

Oil and gas potentials of the Permian sediments of the Volga-Ural region in relationship with their facies composition. Trudy VNIGNI no.36:223-230 '63. (MIRA 17:9)

GORNSHTEYN, R.N.; IGNATENKO, K.A.

Establishing norms for metal consumption in repair work.  
Mashinostroitel' no.12:7-9 D '65. (MIRA 18:12)

*62405774.801*  
KOROLEV, V.V.; GORNSHTEYN, S.M.

Two-sided form for simultaneous laying of double brick blocks.  
Rats. i izobr. predl. v stroi. no.2:36-40 '57. (MIRA 11:1)

1. Instruktor peredovykh metodov truda. Glavmosstroya (for Korolev).
2. Proizvoditel' rabot tresta Mosstroy No.9 (for Gornshiteyn)  
(Building blocks)

LAUE, Max Theodor Felix von; GORNSHTEYN, T.N., [translator]; KUZNETSOV, I.V.,  
redaktor; GRIGOROVA, V.A., redaktor; TUMARKINA, N.A., tekhnicheskii  
redaktor

[A history of physics, Translated from the German] Istorii fiziki.  
Perevod s nemetskogo T.N.Gornshtein. Pod red. i so stat'ei I.V.  
Kuznetsova. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956.  
229 p. (MLRA 9:9)

(Physics--History)

*GORNSHTEYN, T.N.*  
SUBJECT: USSR/Philosophy

25-5-29/35

AUTHOR: Gornshteyn, T.N., Cand. of Philosophic Sciences

TITLE: What is Positivism? (Chto takoye pozitivizm)

PERIODICAL: Nauka i Zhizn' - May 1957, No 5, pp 56-59 (USSR)

ABSTRACT: The relation of our perceptions to the surrounding world is a problem that has been occupying the minds of philosophers for thousands of years. One should think that the matter of fact philosophy called "materialism" is clear and simple. However, in the XIX century, the French philosopher Comte introduced the term "positivism" into modern philosophy. The Viennese physicist Mach developed under this name an entire philosophical system relating it to "positive" reasoning in science. His philosophy had many followers in Western countries but, according to the author, did not contribute to advance a scientific philosophy of life. On the contrary - positivism led to mysticism and religion.

Card 1/2

25-5-29/35

TITLE: What is Positivism? (Chto takoye pozitivizm)

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

GORNSHTEYN, T.N. (Leningrad)

Kirchhoff's discovery of the law of thermal radiation. Vop.ist.est.1  
tekh. no.10:62-67 '60. (MIRA 14:3)  
(Heat--Radiation and absorption)

GORNSHTEYN, T.N.

Pierre Prevost's theory of mobile equilibrium. Trudy Inst.1st.  
est.1 tekhn. 28:302-338 '59. (MIRA 13:5)

(Prevost, Pierre, 1751-1839)  
(Hem?--Radiation and absorption)



GORNSHTEYN, T.N., kand.filos.nauk

Einstein and religion. Nauka i zhizn' 27 no.10:51-55 0 '60.

(MIRA 13:10)

(Religion)

(Einstein, Albert, 1879-1955)

GORNSHTEYN, T.N.

Gustav Robert Kirchhof and his investigations of the heat radiation problem. Trudy Inst. ist. est. i tekhn. 34:110-156 '60.  
(MIRA 14:2)

(Heat—Radiation and absorption)

LAUE, Maks [Laue, Max]; GORNSHTEYN, T.N.[translator]

My creative path in physics; autobiography. Usp. fiz. nauk  
72 no.4:831-840 D'60. (MIRA 13:11)  
(Laue, Max Theodor Felix Von, 1879-1960)

GORNSHTEYN, V. M., Engineer

"Most Advantageous Distribution of Loads Between Parallel-Operated Electric Stations."  
Thesis for degree of Can. Technical Sci. Sub 10 Jun 49.  
Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov.

Summary 82, 18 Dec 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1949, From Vechernyaya Moskva, Jan-Dec 1949.

1ST AND 2ND GROUPS										3RD AND 4TH GROUPS									
<p>SP</p> <p style="text-align: right;">B 64 b</p>																			
<p>621.311.15 : 621.311.21</p> <p>2912. Selection of the most convenient condition for parallel operation of hydroelectric stations with thermal stations. V. M. GORNSHTIN. <i>Gidrotekh. Stroit.</i>, No. 2, 15-19 (1951) 76 Russian.</p> <p>The ratio of loads taken by thermal and by hydroelectric power stations, ensuring a minimum fuel consumption at a given waterflow, is subject to a seasonal variation. A method of estimation of the optimum water level in reservoirs during various periods of the year is explained. J. LUKASZEWICZ</p>																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>1ST AND 2ND GROUPS</p>										<p>3RD AND 4TH GROUPS</p>									
<p>1ST AND 2ND GROUPS</p>										<p>3RD AND 4TH GROUPS</p>									

GORNSHTEYN, V. M.

IA 255T51

USSR/Electricity - Literature  
Power Systems

Jan 53

"Review of M. D. Kamenskiy's Book 'Electric  
Power Systems,' V. M. Gornshiteyn, Cand Tech  
Sci

Elek Sta, No 1, pp 62-64

Kamenskiy's book ("Elektricheskiye sistemy",  
2d ed, rev and suppl, 248 pp, Gosenergoizdat,  
1952) covers following topics: economical  
load distribution among power station units,  
between power stations and systems; frequency,

255T51

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voltage regulation; calcul of networks. Re-  
viewer states book offers nothing new to power  
engrs for whom it is intended; treats many  
important subjects inaccurately, incompletely.

GORNISHTSEYN, V.G., kandidat tekhnicheskikh nauk.

Regulating effect of load. Elektrichestvo no.8:78-79 Ag '53. (MLRA 6:8)  
(Electric currents)

GORNISHTEYN, V.M.

AID P - 2342

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 6/30

Author : Gornishteyn, V. M., Kand. of Tech. Sci., Moscow

Title : Possibilities of improving the stability of electric power systems with lightly loaded interconnection ties.

Periodical : Elektrichestvo, 5, 27-31, My 1955

Abstract : The author presents the results of a theoretical analysis of a regulating arrangement of his design. The arrangement controls the automatic load transfer and functions with the change of the generator's emf displacement angle. It regulates the quantity of steam (or water) fed to the turbine. This arrangement operates together with the automatic reclosing of circuit breakers and is based on phase angle check up and control of turbine speed and acceleration. The experimental arrangement permitted obtaining an unlimited stability of steam-electric power stations (no tests were made with hydro-electric ones). Four diagrams, 5 Soviet references (1951-1954).



AID P - 2342

Elektrichestvo, 5, 27-31, My 1955

Card 2/2 Pub. 27 - 6/30

Institution: None

Submitted : Ag 28, 1954

Gornishteyn, V. M.

AID P - 4071

Subject : USSR/Power

Card 1/1 Pub. 26 - 29/33

Author : Gornishteyn, V. M., Kand. Tech. Sci.

Title : Determining data for dispatcher's choice of priority  
for load distribution in turbo units.

Periodical : Elek. sta., 12, 56, 1955

Abstract : The author replies to an article published in No. 12,  
1954 of this journal by Eng. V. N. Serebryannikov.

Institution : None

Submitted : No date

GORNISHTSEV, V. M., kandidat tekhnicheskikh nauk.

Necessary changes in the accepted system of power planning. Elek.  
sta. 27 no.5:29-33 My '56. (MLRA 9:8)  
(Electric power plants)

GORNSHTEYN, V.M., kandidat tekhnicheskikh nauk.

On L.D. Sternison's article "Automatic frequency regulation  
in large power systems." Elek.sta. 27 no.8:58 Ag '56. (MLRA 9:10)

(Electric power distribution) (Sterninson, L.D.)

3-88 BARONET 1917 1918  
OF LONDON 1917 1918

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GORNISHTRYN, V.M., kand. tekhn. nauk

Annual regulation conditions for hydroelectric power stations in power  
systems. Elek. sta. 29 no.7:93 J1 '58. (MIRA 11:10)  
(Hydroelectric power stations)

GORNSHTEYN, V.M., kand.tekhn.nauk, red.; KODKIND, I.I., red.; BORUNOV,  
M.I., tekhn.red.

[Selecting the most efficient operating conditions for power  
systems containing hydroelectric power stations] Vybór ekono-  
michnogo resheniya energosistem s gidrostantsiyami; sbornik  
statei. Moskva, Gos.energ.ind-vo, 1959. 135 p. (MIRA 12:7)  
(Electric power distribution)  
(Hydroelectric power stations)



GORNSHTEYN, Valentin Moiseyevich; DOLGOV, P.P., retsenzent; MEL'NIKOV,  
N.A., red.; LARIONOV, G.Ye., tekhn.red.

[Efficient conditions of the operation of hydro stations in  
electric networks] Naivygodneishie rezhimy raboty gidrostantsii  
v energeticheskikh sistemakh. Moskva, Gos.energ.izd-vo, 1959.  
247 p. (MIRA 12:4)

(Hydroelectric power stations)

8(2),8(3),8(5),8(6),28(1)

AUTHOR: Gornshteyn, V. M., Candidate of Technical Sciences SOV/105-59-1-6/29

TITLE: Systems of Automatic Frequency Control and Active Load Distribution in ~~Power~~ Systems (Puti avtomatizatsii regulirovaniya chastoty i aktivnykh nagruzok v energosistemakh)

PERIODICAL: Elektrichestvo, 1959, Nr 1, pp 25-29 (USSR)

ABSTRACT: The conditions are examined for the most favourable operating method of power systems, as well as the possibility of fulfilling these conditions both with hand and automatic control of the operation. Not considering the losses of real load in the network, the formula (1)  $b_I = b_{II} = \dots = b_N = b_c$  (Ref 1) is given for the condition of the most favourable operation of a power system consisting of caloric power stations only.  $b_I, b_{II}, \dots b_N$  are the relative increases of consumption of fuel or money for the power stations of the system.  $b_c$  means the same for the whole power system. It is shown that systematically repeating, "short-termed" deviations from the most favourable operation can be avoided. The general

Card 1/4

Systems of Automatic Frequency Control and Active Load  
Distribution in Power Systems

SOV/105-59-1-6/29

rule is that no relative increase over 5 % should be permitted. Referring to the operation method corresponding to condition (1), the following is stated: 1) At a given number and a given condition of the connected aggregates, each relative increase of fuel consumption in the whole power system corresponds to a certain capacity developed by each power station and therefore to a total of capacities of all power stations in the system:  $P_c = \varphi(b_c)$ . 2)  $P_c$  must be equal to the load of the power system. The only criterion for determining whether such equality is maintained is the frequency. In order to reach an astatic control of frequency, the change in relative increase has to be brought into connection with the integral of the frequency deviation or the synchronous time (as it was done in control systems of the ORGRES (Ref 4) and of the TsNIEL (Ref 6)). Therefore, the system for automatic control of frequency and the most favourable load distribution must possess an organ or organs which adjust the value of the relative increase  $b_c$  of the power system in dependence on the integral of frequency deviation. This organ is here called the

Card 2/4

Systems of Automatic Frequency Control and Active  
Load Distribution in Power Systems

SOV/105-59-1-6/29

originator of the relative increase. Besides, this automatic control system must have organs which adjust a load for each power station corresponding to the relative increase given by the originator. These new organs are here called resolvers (reshayushcheye ustroystvo). This does not mean, however, that they are based on elements of mathematical computers. In the third place, the automatic regulation systems must have executive organs. These distribute the loads obtained from the resolvers for each power station among individual aggregates, and guarantee that the load of the aggregates is maintained according to the fixed values. Until recently, the originators of the relative increase and the resolvers were set up at the dispatcher point of the power system. But A. G. Moskalev (Ref 6) suggested to attach to each power station not only the executive organ but also the resolver belonging to the corresponding power station. As to the originator of the relative increase, one is sufficient for the whole system or for a group of power stations of the system. The point of view taken by Moskalev is represented here, and it is shown that, also in case of hydroelectric power

Card 3/4

Systems of Automatic Frequency Control and Active  
Load Distribution in Power Systems

SOV/105-59-1-6/29

stations and the necessity of considering losses of power,  
a decentralization of resolvers and executive organs is  
justified, and offers a number of essential advantages.  
There are 7 Soviet references.

SUBMITTED: August 27, 1958

Card 4/4

GORNISHTEY, V. M.      MOSKALEV, A. G.

"Methods of Optimum Load Distribution Among the Power Plants of an Electric System."

report presented at: The Madrid, Spain Sectional Meeting of World Power Conference, 5-9 June 1960.

GORNSHTEYN, V.M., kand. tekhn. nauk (Moskva)

A method of considering the operation of power systems to  
facilitate their design. Elektrichestvo no.9:4-11 S '60.

(MIRA 13:10)

(Electric power production)

GORNSHTEYN, V.M., kand.tekhn.nauk (Moskva)

Methods of calculating changes in the consumption of fuel resulting  
from the construction or expansion of hydroelectric power stations.  
Elektrichestvo no. 11:13-19 N '60. (MIRA 13:12)  
(Hydroelectric power stations) (Fuel)



GORBUNOV, V. I. ., kand. tekhn. nauk (electrical)

Determination of optimum operating conditions of power systems.  
Elektrichestvo no. 8:19-24 Ag '61. (MIRA 14:10)  
(Electric power distribution)

GORNSHTEYN, V.M. (Moskva); GORTINSKIY, S M. (Moskva); KARTVELISHVILI,  
N A (Moskva); MAMIKONYANTS, L.G. (Moskva); MEL'NIKOV, N.A.  
(Moskva); TIMOFEEV, D.V. (Moskva); TSVETKOV, Ye.V. (Moskva)

Principal trends in carrying out overall electrification.  
Elektrichestvo no.10:77-79 O '61. (MIRA 14:10)  
(Electrification)

GINZBURG, S.A., kand.tekhn.nauk; GORNSHTEYN, V.M., kand.tekhn.nauk;  
SOVALOV, S.A., kand.tekhn.nauk

Fundamental principles of designing a computer for operational  
calculation of the load distribution efficiency of a consolidated  
electric utility system. Elek. sta.32 no. 5:35-41 My '61.  
(MIRA 14:5)

(Interconnected electric utility systems)

GORNSHTEYN, V.M., kand.tekhn.nauk: KAROI', L.A., kand.tekhn.nauk.

ZLATOPOL'SKIY, A.N., kand.tekhn.nauk

Fuel efficiency of hydroelectric power stations. Gidr. stroi. 32  
no.10:41-44 0 '61. (MIRA 14:10)

(Hydroelectric power stations)

GORNSHTEYN, V.M., kand.tekhn.nauk (Moskva); LUGINSKIY, Ya.N., inzh. (Moskva)

Use of repeated electrical braking and unloading of units for  
increasing the stability of electric power systems. Elektrichestvo  
no.6:22-26 Je '62. (MIRA 15:6)  
(Interconnected electric utility systems)

GORNSHTEYN, V.M., kand. tekhn. nauk

Methodology for calculating optimum load distribution between  
the systems of a thermal electric power plant. Elek. sta. 33  
no.8:2-7 Ag '62. (MIRA 15:8)

(Electric power plants)

GORNISHTEYN, V.M.

Calculation of the fuel component in comparing the cost of various methods of power-system peak load coverage.

Report submitted for the Symposium on Peak Load Coverage Venice, Italy, May 20-23, 1963

GORNSHTEYN, V.M., kand. tekhn. nauk

Problem of rates and peak power loads in electrical systems.

Elek. sta. 34 no.8:40-45 Ag '63.

(MIRA 16:11)



GORNSHTEYN, V. M.; SOVALOV, S. A.; SMIRNOV, K. A.; USOV, S. V.

"The Economic Principles Governing Power System Operation Schedules in the  
U.S.S.R."

report submitted for Intl Conf on Large Electric Systems, 20th Biennial Session,  
Paris, 1-10 Jun 64.

ACCESSION NR: AP4019325

S/0105/64/000/003/0008/0012

AUTHOR: Borozinets, B. V.; Ginzburg, S. A.; Gornshteyn, V. M.;  
Shlirnovich, V. D.; Sovalov, S. A.; L'vov, Yu. N.

TITLE: Computer for calculating power-system economy operation and the  
operating experience gained at ODU YeES

SOURCE: Elektrichestvo, no. 3, 1964, 8-12

TOPIC TAGS: power system, Soviet united power system, power system  
economics, power system economics computer, computer, interconnected  
power systems, high economy power system operation

ABSTRACT: An analog computer intended for calculating the high-economy  
operation of the Soviet United Power System (UPS) is described. The following  
features were taken into account in designing the computer: (1) The UPS is  
represented by an equivalent network in which all generating stations of a local  
power system are replaced by an equivalent station having an equivalent incre-  
mental economy rate characteristic; (2) Easy setting of any incremental  
characteristic; (3) System loads are represented by equivalent loads that have

Card 1/2

ACCESSION NR: AP4019325

individual load curves; (4) Interconnection-line losses are evaluated by special methods. The computer comprises the following essential parts: 16 generating station equivalents, 16 loads, 15 tie lines, 8 nonlinear units representing incremental losses due to power exchanges and tie-line load restrictions, 14 elements for setting the resistances of transmission lines. The computer includes 128 UPT-4 amplifiers, 1,000 6D6A diodes, 800 SP-2-A potentiometers, 2,000 resistors, 7 power-supply packs, etc.; power consumption is 7 kw. Computation of a set of operating UPS conditions takes about 2 hrs. The computer has been in continuous use since Nov. '62. "L. B. Denisevich (ODU YeES) and N. S. Malishevskaya (VNIE) took part in aligning and operating the computer." Orig. art. has: 3 figures and 1 table.

ASSOCIATION: VNIE (All-Union Scientific Research Institute of Electrical Power Engineering); ODU YeES (Joint Load-Dispatcher's Office, United Power System)

SUBMITTED: 10Jun63

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: PR, EE

NO REF SOV: 001

OTHER: 000

Card 2/2

GORNSHTEYN, V.M.

Determination of the optimum operation of power systems. Elektricheskiye mashiny no. 6286-71 1962 (MIRA 1787)

GORNSHTEYN, V.M., kand. tekhn. nauk

Concerning V.S. Shakhnov's addition to his article published in  
"Elektrichestvo" no.3 1962. Elektrichestvo no.7:76-83 J1 '64.

(MIRA 17:11)

GORNSHTEVN, V.M., kand. tekhn. nauk; MANUKYAN, R.S., inzh.; PAVERMAN, S.V.,  
~~inzh.~~

Consideration of limitations in the form of disparity in the  
calculation of economical operation of a thermal electric  
power plant using an analog computer. Elektrichestvo no.4:  
79-80 Ap '65. (MIRA 18:5)

GORNSTEYN, V.M., kand. tekhn. nauk (Moskva)

Optimal operation of a power system taking into account mode  
limitations using penalty functions. Elektrichestvo no.8:39-  
44 Ag '65. (MIRA 18:9)

GORJUNG, B. V.

"K voprosu ob obrazovanii indoevropeyskoy yazykovoy obshchnosti  
( 'protoindoevropeyskiye' komponenty ili inoyazychnye substraty )."

report submitted for 7th Intl Cong, Anthropological & Ethnological sciences,  
Moscow, 3-10 Aug 64.



GORNUNG, M. B.

USSR/Geography - Propaganda

Card 1/1. Pub. 45 - 8/17

Authors : Gornung, M. B.

Title : Modern French geographical literature on France's colonies

Periodical : Izv. AN SSSR, Ser. geog. 3, 73-82, May - Jun 1954

Abstract : French literature about the French colonies is severely criticized as not being objective but as having been written for the purpose of justifying the conquest and retention of these lands. The Americans are accused of helping the French to keep the colonial people in subjection. Eight French references (1937-1959).

Institution: Geographic Institute of the Academy of Sciences of the USSR

Submitted: .....

GORNUNG, M. B.

USSR/Geography Scientists

Card : 1/1 Pub. 45 - 16/20

Authors : Gornung, M., and Malgina, E.

Title : Scientific conference of young scientists of the Institute of Geography of the Acad. of Sc. USSR

Periodical : Izv. AN SSSR. Ser. geog. 4, 91 - 92, July - August 1954

Abstract : Minutes of meeting of young scientists of the Institute of Geography of the Acad. of Sc. USSR, held in April 1954. Names of important lecturers present at the meeting, are included.

Institution : ....

Submitted : ....

GORNUNG, M. B.

USSR/ Scientific Organization - Conferences

Card 1/1 Pub. 45 - 13/16

Authors : Gornung, M.

Title : Eighth International Botanical Congress

Periodical : Izv. AN SSSR. Ser. geog. 6, 96 - 99, Nov - Dec 1954

Abstract : An account is given of the eighth International Botanical Congress held in Paris from the 2nd to the 14th of June 1954, in which more than 2,000 scientists from many countries took part. In the Soviet delegation there were systematic and morphological botanists, geobotanists, palinologists, biochemists and representatives of other sciences. Various papers were read and discussed. After the close of the session an excursion was made to equatorial Africa.

Institution: .....

Submitted: .....

AMBROGGI, R.; GORNUNG, M.B. [translator]; BOGOMOLOV, G.V., redaktor;  
SVET, Ya.M., redaktor; SHAPOVALOV, V.I., tekhnicheskii redaktor.

[Hydrogeology of Morocco. Translated from the French] Gidrogeologiya  
Marokko; XIX Mezhdunarodnyi geologicheskii kongress. Pereved s fran-  
tuzskogo M.B.Gornunga. Pod red. i s predisl. G.V.Bogomolova. Moskva,  
Izd-vo inostrannei lit-ry, 1955. 359 p. (MLBA 9:4)  
(Morocco--Hydrology)

Gornung, M. B.

USSR/ Scientific Organization - Conferences

Card 1/1 Pub. 45 - 10/18

Authors : Beloysov, V. V., and Gornung, M. B.

Title : Tenth convention of the International Geophysic and Geodesic Union

Periodical : Izv. AN SSSR. Ser. geog. 1, 87 - 93, Jan-Feb 1955

Abstract : An account is given of the convention of the International Geophysic and Geodesic Union, held in Rome in September 1954, which was attended by more than one thousand persons from 51 countriss. The branches of science represented were geography, geology, geodesy, geophysics, seismology, oceanography, terrestrial magnetism, meterology, hydrology, vulcanology, and others. Delegates also made an expedition to a volcanic region in Italy for observation. Illustrations.

Institution : Acad. of Sc., USSR, Geophysics and Geographic Institutes

Submitted : .....

Gornung, M. B.

USSR/ Scientists - Geography

Card 1/1 Pub. 45 - 13/14

Authors : Gornung, M. B.

Title : Visit of French geographers in the USSR

Periodical : Izv. AN SSSR. Ser. geog. 6, 99 - 101, Nov-Dec 1955

Abstract : Notes and observations are presented from the visit in the USSR of a French group of geographers which took place in the middle of July 1955.

Institution : .....

Submitted : .....

GORNUNG, M.B. (Moskva)

Not Submitted for Review & Evaluation

Book about the scientific center of West Africa ("L'Institut Français d'Afrique Noire". Reviewed by M.B.Gornung). Priroda 44 no.11:124-126 N '55.

(Africa, West--Scientific Societies)

(MIRA 9:1)

GORNUNG, M.B.

Interuniversity geographical excursions in France. Izv. AN SSSR, Ser. geog.  
no. 4:136-139 J1-Ag '56. (MIRA 9:10)  
(France--Geography--Study and teaching)



GORNUNG, M.B.

"The French Sahara" by R. Capot-Rey. Reviewed by M.B. Gornung.  
Izv.Vses.geog.ob-va 88 no.6:564-566 N-D '56. (MLRA 10:2)

(Sahara--Physical geography)

GORNUNG, M. B.

"Some new Soviet Publications on the Geography of Asia for the Period 1950-1956,"  
paper submitted for presentation at the International Geographical Union Regional  
Conference, Japan, 19 August - 13 September 1957.  
(Section of Regional Geography and Miscellaneous)

GORNUNG, Mikhail B. - Inst. of Geography Acad. Sci. USSR, Moscow

С. В. К. Н. О. В. Г. М.

SOKOLOV, M.; GORNUNG, M.; MENZHINSKIY, Ye.; OLEJNIKOV, I.; TIKHOMIROV, V.P.,  
otvetstvennyy redaktor; KOSTINSKIY, D.N., redaktor; KOSHELEVA, S.M.,  
tekhnicheskiy redaktor

[Liberia, Togo, The Cameroons, Sierra-Leone, Gambia] Liberia, Togo,  
kamerun, S'erra-Leone, Gambia. Moskva, Gos. izd-vo geogr. lit-ry.  
1957. 27 p. (MIRA 10:2)  
(Africa, West)

VOLKOV, A.V.; GORNUNG, M.B.

Geographical science in Brazil. Izv. AN SSSR. Ser. geog. no. 1:127-135  
Ja-F '57. (MLBA 10:4)

(Brazil--Geography--Study and teaching)

Gornung, M.B.

GORNUNG, M.B.

Establishment of the National Committee of Soviet Geographers.

Izv. AN SSSR Ser. geog. no.2:148 Mr-Apr '57.

(MIRA 10:12)

(Geographers)

*Gornung, 1915*

ALAMPYEV, P.M.; GERASIMOV, I.P.; GORNUNG, M.P.; GOKHMAN, V.M.; ZHIRMUNSKIY,  
M.M.; KOVALEVSKIY, V.P.; KULAGIN, G.D.; MILEYKOVSKIY, A.G.; KEYSHTADT,  
M.I.; POPOV, K.M.; PULYARKIN, V.A.

A.S. Dobrov; obituary. P.M. Alampiev and others. Izv. AN SSSR. Ser.  
geog. no. 4:143-144 J1-Ag '57. (MIRA 11:1)  
(Dobrov, Aleksandr Semenovich, 1901-1957)

GORNUM, M.B.

Concerning the so-called steppes of North Africa. Vop. geog. no. 40:  
103-110 '57. (MLRA 10:8)

(Africa, North--Steppes)

GORNUNG, M.B.

International Geographical Congress. Priroda 46 no.2:49-53  
P '57. (MLRA 10:3)

1. Institut geografii Akademii nauk SSSR (Moskva)  
(Rio de Janeiro--Geography--Congresses)



GORNUNG, Mikhail Borisovich; LAVRENT'YOVA, Ye.V., red.; VILNISKAYA, E.N.,  
tekh.n.red.; MAL'CHEVSKIY, G.N., red.kart

[Algeria; its physical geography] Alzhiriia; fiziko-geografiches-  
kaia kharakteristika. Moskva, Gos.izd-vo geogr.lit-ry, 1958.  
286 p. (12:1)

(Algeria--Physical geography)

JOURNAL M.B

3(5) **PHASE I BOOK EXPLANATION** 80W/1781  
 Akademicheskii SSSR. Russian geograph.  
 Voprosy fizicheskoy geografii (Problems in Physical Geography)  
 Moscow, Izd-vo AN SSSR, 1958. 370 p. Extra slip inserted.  
 1,500 copies printed.  
 Ed.: M.I. Gub. Editor of Geographical Sciences,  
 Professor, Ed. of Publishing House: S.K. Tugarinov,  
 Tech. M.I. Gub. Brishova.  
**PURPOSE:** This book is intended for meteorologists, hydrologists,  
 pedologists, geologists, and students of physical geography  
 in general.

**CONTENTS:** These articles are dedicated to Academician A.A.  
 Grigor'ev in commemoration of his seventy-fifth birthday  
 anniversary. They treat problems in physical geography per-  
 taining to the northern regions of the USSR and particularly  
 those of Yakutia. The majority of the articles are devoted  
 to questions of latitudinal and vertical zonation and contain  
 much factual material on the relationship between the various  
 regional components. Practical conclusions and meteor-  
 ological principles are cited. Each article is accompanied by  
 maps, photographs and numerous bibliographic references.

Problems in Physical Geography 80W/1781	
Gromov, M.B., and D.A. Vlasov. Zonal Characteristics Manifested in Endogenous Relief-shaping Processes	74
Gavrilov, I.P. Natural Subtropical (Mediterranean) Regions of the USSR and Their Far Eastern Counter- Parts	103
Pridmore, V.M. The Relationship Between the Vertical Zoning Structure of Reliefs, Mountainous Areas and Climatic Conditions Exemplified by the Bol'shoy Kavkaz	113
Mit'kov, P.N. Geomorphological Characteristics of the Central Russian Plateau	130
Enikova, N.N., V.F. Nikol'skaya, D.A. Vlasov, and A.P. Chishakov. Trial Analysis of the Qualitative and Quantitative Indices in the Physiogeographical Zoning of Irkutsk's (Angara River Basin)	144
Card 3/4	

KAPO-REY, Rober [Capot-Rey, Robert], prof.; GORNUNG, M.B. [translator];  
SOKOLOV, A.N. [translator]; LAVRENT'YEVA, Ye.V., red.; KUSHLEVA,  
Z.A., red.kart; NOGINA, N.I., tekhn.red.

[French Sahara] Frantsuzskaya Sakhara. Moskva, Gos.izd-vo geogr.  
lit-ry, 1958. 495 p. Translated from the French. (MIRA 13:3)

1. Alzhirskiy universitet (for Kapo-Rey).  
(Sahara)

GERASIMOV, I.P.; GORNUNG, M.B.

International Geographical Conference in Japan. Izv. AN SSSR, Ser.  
geog. no.1:16-27 Ja-F '58. (MIRA 11:2)  
(Japan--Geography--Congresses)